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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/731,525
		Filing Date	December 9, 2003
		First Named Inventor	Saverio Carl Falco
		Group Art Unit	1858
		Examiner Name	Nashed, Nashaat T.
		Attorney Docket Number	BB1167USDIV
Sheet	1	of	4

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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NN	1	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D89831, 07-30-87, SCHLBERG, L.E. ET AL., Nucleotide Sequence of a cDNA encoding a Cys proteinase from germinating bean cotyledons, XP-002129910	
NN	2	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: O49307, 06-01-88, FEDERSPIEL, N.A. ET AL., XP-002129911.	
NN	3	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: D25000, 11-30-83, MINOBE, Y. ET AL., Rice cDNA from root, XP-002129912	
NN	4	FRANK W. SMITH ET AL., PNAS, Vol. 82:8373-8377, 9/1995, Plant members of a family of sulfate transporters reveal functional subtypes, XP-002129913	
NN	5	HIDEKI TAKAHASHI ET AL., Plant & Cell Phys., vol. 39 suppl, pp.S148, 1998, Antisense repression of sulfate transporter in transgenic Arabidopsis thaliana plants, XP-002121783	
NN	6	HIDEKI TAKAHASHI ET AL., PNAS, vol. 94:11102-11197, 9/1997, Regulation of sulfur assimilation in higher plants: A sulfate transporter induced in sulfate-starved roots plays a central role in Arabidopsis thaliana	
NN	7	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: X86761, 03-25-97, NG, A. ET AL., Isolation & characterization of a lowly expressed cDNA from the resurrection grass Sporobolus stapfianus with homology to eukaryote sulfate transporter proteins, XP-002121781	
NN	8	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AF016306, 01-08-1998, BOLCHI, A. ET AL., Coordinate modulation of maize sulfate permease and ATP sulfate permease and ATP sulfurylase mRNAs in response to variations in sulfur nutritional status: stereospecific down-regulation by L-cysteine, XP-002121780	
NN	9	EMBL SEQUENCE DATA LIBRARY ACCESSION NO: O48889, 06-01-1998, BOLCHI, A. ET AL.	
NN	10	FRANK W. SMITH ET AL., The Plant Journal, vol. 12(4):876-884, 1997, Regulation of expression of a cDNA from barley roots encoding a high affinity sulphate transporter, XP-002129909	
NN	11	ANTJE PRIOR ET AL., Biochimica et Biophysica Acta, vol. 1430:25-38, 1999, Structural and kinetic properties of adenylyl sulfate reductase from Catharanthus roseus cell cultures	

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NN	12	SENTA HEISS ET AL., Plant Mol. Biol., vol. 39:847-857, 1999, Cloning sulfur assimilation genes of Brassica juncea L.: cadmium differentially affects the expression of a putative low-affinity sulfate transporter and isoforms of ATP sulfurylase and APS reductase	
NN	13	JOHN L. WRAY ET AL., Chemico-Biological Interactions, vol. 108:153-187, 1998, Redefining reductive sulfate assimilation in higher plants: a role for APS reductase, a new member of the thioredoxin superfamily?	
NN	14	JULIE ANN BICK ET AL., Current Opinion in Plant Biology, 1998, pp. 240-244, Plant sulfur metabolism - the reduction of sulfate to sulfite	
NN	15	JULIE-ANN BICK ET AL., PNAS, vol. 95:8404-8408, 7/1998, Glutaredoxin function for the carboxyl-terminal domain of the plant-type 5'-adenylylsulfate reductase	
NN	16	JOSE F. GUTIERREZ-MARCOS ET AL., PNAS, vol. 93:13377-13382, 1996, Three members of a novel small gene-family from Arabidopsis thaliana able to complement functionally an Escherichia coli mutant defective in PAPS reductase activity encode proteins with a thioredoxin-like domain and "APS reductase" activity	
NN	17	AMIT SETYA ET AL., PNAS, vol. 93:13383-13388, 1996, Sulfate reduction in higher plants: Molecular evidence for a novel 5'-adenylylsulfate reductase	
NN	18	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: C27406, 08-06-97, SASAKI, T. ET AL., Rice cDNA from callus, XP-00212812	
NN	19	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AF071890, 08-29-98, MBEGUIE-A-MBEGUIE D. ET AL., Molecular cloning and partial nucleotide sequence of a sulfite reductase from apricot fruit, XP-002128211	
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NN	21	CHRISTINE BORK ET AL., Gene, vol. 212:147-153, 1998, Isolation and characterization of a gene for assimilatory sulfite reductase from Arabidopsis thaliana	

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		Group Art Unit	1656
		Examiner Name	Nashed, Nashaat T.
Sheet 3 of 4	Attorney Docket Number	BB1167USDIV	

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NN	22	ANDREAS BRUHL ET AL., Biochimie et Biophysica Acta, vol. 1265:119-124, 1998, A cDNA clone from Arabidopsis thaliana encoding plastidic ferredoxin: sulfite reductase	
NN	23	DATABASE WPI, DERWENT PUBL., LTD., JP-62 465773, MITSUBISHI CORP., 8/8/94, XP-00212614	
NN	24	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AJ068082, 03/07/99, SASAKI, T. ET AL., Rice cDNA from callus, XP-002128630	
NN	25	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: AQ888702, 07/02/99, YU, Y. ET AL., A BAC End sequencing framework to sequence the rice genome, XP-002128631	
NN	26	SAITO, K., Stress Responses of Photosynthetic organisms, 1998, pgs. 215-226, Molecular Aspects of Sulfur Assimilation and Acclimation to Sulfur Supply in Plants	
NN	27	KAZUKI SAITO ET AL., Plant Phys., vol. 108:887-895, 1994, Modulation of Cystine Biosynthesis in Chloroplasts of Transgenic Tobacco Overexpressing Cystine Synthase [O-Acetylserine(thiol)-lyase] ¹	
NN	28	KAZUKI SAITO ET AL., Comptes Rendu De L'Academie Des Sciences, vol. 319:969-973, 1998, Molecular characterization of cysteine biosynthetic enzymes in plants	
NN	29	YOO, B. ET AL., Plant Phys. suppl., vol. 114:267, 1997, Regulation of recombinant soybean serine acetyltransferase by CDPK	
NN	30	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: p83544, 05-01-97, SAITO, K. ET AL., XP-002128628	
NN	31	EMBL SEQUENCE LIBRARY DATA ACCESSION NO: C26373, 08-06-97, SASAKI, T. Rice cDNAs from callus, XP-002128627	
NN	32	MICHAEL A. ROBERTS ET AL., Plant Molecular biology, vol. 30:1041-1049, 1996, Cloning and characterization of an Arabidopsis thaliana cDNA clone encoding an organellar isoform of serine acetyltransferase	
NN	33	KAZUKI SAITO ET AL., Journ. of Biol. Chem., vol. 270(27):16321-16326, 1995, Molecular cloning and characterization of a Plant Serine acetyltransferase playing a regulatory role in cysteine biosynthesis from watermelon	

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		Filing Date	December 8, 2003
		First Named Inventor	Saverio Carl Falco
		Group Art Unit	1656
		Examiner Name	Nashed, Nashaat T.
		Attorney Docket Number	BB1167USDIV
Sheet	4	of	4

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NN	34	EMBL SEQUENCE DATA LIBRARY ACCESSION NO: AJ637166, 04-27-99, WALBOT, V., Maize ESTs from various cDNA libraries sequenced at Stanford University, XP-002123195	
NN	35	SANGMAN LEE ET AL., Biochem. and Biophys. Res. Comm., vol. 247:171-175, 1998, APS Kinase from Arabidopsis thaliana: Genomic Organization, Expression, and Kinetic Analysis of the Recombinant Enzyme	
NN	36	AJAY JAIN ET AL., Plant Phys., vol. 105:771-772, 1994, A cDNA clone for 5'-Adenylylphosphosulfate Kinase from Arabidopsis thaliana	
NN	37	SANDRA SCHIFFMANN ET AL., FEBS Lett., vol. 355:229-232, 1994, APS-sulfotransferase activity is identical to higher plant APS-kinase	
NN	38	HILDEGARD E. ARZ ET AL., Biochimica et Biophysica Acta., vol. 1218:447-452, 1994, A cDNA for adenylyl sulphate (APS)-kinase from Arabidopsis thaliana	
NN	39	ANGELO BOLCHI ET AL., Plant Mol. Biol., vol. 39:527-537, 1999, Coordinate modulation of maize sulfate permease and ATP sulfurylase mRNAs in response to variations in sulfur nutritional status: stereospecific down-regulation by L-cysteine	
NN	40	KEIKO YONEKURA-SAKAKIBARA ET AL., J. Biochem., vol. 24:616-621, 1998, Molecular Characterization of Tobacco Sulfite Reductase: Enzyme Purification, Gene Cloning, and Gene Expression Analysis	
NN	41	YICHANG CHEN ET AL., Plant phys., vol. 116:887-889, 1998, Three Genomic Clones from Arabidopsis thaliana Encoding 5'-Adenylylsulfate Reductase	
NN	42	GENBANK Database Accession No. AAC26976, NCBI GI No. 2738756, 5'-adenylylsulfate reductase [Arabidopsis thaliana], 21 July 1998	
NN	43	GENBANK Database Accession No. AAB05871, NCBI GI No. 1488043, PAPS-reductase-like protein [Catharanthus roseus], 10 August 1996	
NN	44	GENBANK Database Accession No. AAB05871.1, NCBI GI No. 1488043, PAPS-reductase-like protein [Catharanthus roseus], 2 November 1999	
NN	45	GENBANK Database Accession No. AAB05871.2, NCBI GI No. 12831474, PAPS-reductase-like protein [Catharanthus roseus], 15 February 2001	

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